Permanent Underground Development Waste Disposal Site

Map Code: identified by name, Plate II-1

Status: Proposed

Underground development wastes currently stored on the northwest coal stockpile site and any new development wastes generated will be permanently buried in this disposal site. This disposal area is a 4.3 acre site located at the gravel borrow pit on the hilltop, east of the northwest coal stockpile area. A complete description of this disposal site is given in this part under UMC 784.19, with design information located in Chapter IV. Post mine drainage of this area can be found at CH VI, App. VI-7.

Parking Area

Map Coder 35, Plate II-1

Status: existing - prior to 1975

The employee parking area is located near the office and bathhouses and provides ample space for employees and visitors. The parking area is within the approved surface drainage control area.

Training Pad Area

Map Coder 41, Plate II-1 Status: proposed 2008

This area is located near the employee parking area and will consist of a concrete pad 37' x 47' x 4". This pad will be used for annual MSHA training. The training pad area is within the approved surface drainage control and disturbed area.

Mine Yard Roads

Map Code: 36, Plate II-1 Status: existing - prior to 1975

The mine yard road system is comprised of four (4) sections. Two (2) are Class I roads and two (2) are Class II roads. The first section, a Class I road, begins at the mine gate and ends at the warehouse office building. Section 2, a Class II road, branches off of section 1 and accesses the storage area west of the warehouse/office building. Section 3 is a Class I road which starts at the mine yard and accesses the coal storage area south of Quitchupah Creek. This section crosses an approved bridge over the Creek. Section 4, a Class II road, is located between the tipple stockpile and the ventilation fan building. As-built cross sections for the Class I roads are contained in Chapter IV

All of these roads are within the approved surface drainage control area and are periodically watered down during dry weather to prevent fugitive dust.

Mine Rescue Storage Area

Map Code: 37, Plate II-I

Status: existing - prior to 1975

This structure is a utility trailer parked in the mine yard. It is used to provide mobility for the mine rescue equipment in the event that it (and the mine rescue team) is needed elsewhere. This unit is contained within the approved surface drainage control system.

Revised 2/08 Revised 8/08

Chapter II Page 11

□ Confidential □ Shelf **Expandable**

Refer to Record No CESO Date 8/ In C/015 0015 2008.

For additional information

Bonding Calculations

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Subtotal Demolition and Removal Subtotal Backfilling and Grading Subtotal Revegetation Direct Costs	\$218,232.00 \$1,251,465.00 \$510,251.00 \$1,979,948.00	
Indirect Costs Mob/Demob Contingency Engineering Redesign Main Office Expense Project Mainagement Fee Subtotal Indirect Costs	\$197,995.00 \$98,997.00 \$49,499.00 \$134,636.00 \$49,499.00 \$530,626.00	2.5% 6.8%
Total Cost	\$2,510,574.00	
Escalation factor Number of years Escalation	\$154,293.00	0.012 5
Reclamation Cost Escalated	\$2,664,867.00	
Bond Amount (rounded to nearest \$1,000) 2009 Dollars	\$2,665,000.00	
Bond Posted 2004 dollars	\$2,648,000.00	
Difference Between Cost Estimate and Bond Percent Difference	-\$17,000.00 -0.64%	

Revised August 2008

Demolition Costs

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